Fall 2010 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0307 Reclamation District No. 0307 Lisbon	Overall LMA Rating	Total LMA Miles				
	U	6.65				
					Encroad	chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Vegetation	0.81	0.09	1.17	17.59%		
Trim / Thin Trees	3.86	0.05	4.06	61.05%		
Encroachments	0.04		0.04	0.60%	0.80	0.04
Animal Control	0.08		0.08	1.20%		
LMA Totals:	4.79	0.14	5.35	80.45%	0.80	0.04

LMA District Cover Sheet

Fall 2010 Levee Inspection Results

Reclamation District No. 0307 Lisbon

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)				
* Overall LMA Rating (Fall Only)			U					
	** Non-receipt of Su	mmer or Winter Inspe	ection Reports may effec	ct overall annual rating.				
* SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.								
<u>FALL INSPECTIONS:</u> The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.								
Comments								

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Reclamation District No. 0307 Lisbon

	Bank	Unit Miles								
	Unit No. 01 Sacr	ramento River		Right	6.65					
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)					
Unit Maintenance Rating (Fall Only)			U							
Date of Inspection	3/16/2010		9/23/2010							
DWR Inspector	Herman Phillips		Herman Phillips							
Accompanied By	Pete Dweyer R.D. 307		Pete Dweyer R.D. 307 None None							
			None None							
Check one:										
 During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition). 										
Comments										
information must also be	3	eet should be signed ar	nd dated by the LMA Represen ch 31 (Winter Inspection). Plea aspection Reports c, Room LL-30	tative an	d returned to					
x										
Signature of LMA Repres	sentative		Date							

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	11/05/2010 11/05/2010	Herman Phillips

	Start	End	Category	Category Item	1 × 0)	Rating	A ati a in 10 a ins a a at	GPS Latitude/Longitude	No.
1		LIIU	outogory .	item	Location	ing	Action/Comment	Start End	Photo
	0.01	0.08	Earthen Levee	Vegetation	WS	С	Remove the wild growth other than native grasses from the levee slopes.	38.480057 ° 38.479202 -121.549337 ° -121.548415	
2	0.01	0.01	Earthen Levee	Vegetation	ws	М	Remove the wild growth other than native grasses from the levee slopes.	38.480057 ° 38.480057 -121.549337 ° -121.549337	
3	0.29	0.36	Earthen Levee	Vegetation	LS	С	Remove the wild growth other than native grasses from the levee slopes.	38.477177 ° 38.476390 -121.545798 ° -121.544852	
4	0.58	0.59	Earthen Levee	Encroachments	LS	С	Equipment	38.474575 ° 38.474515 -121.541620 ° -121.541508	
5	0.76	0.76	Earthen Levee	Trim / Thin Trees	LS	С	Trim trees to at least five feet above ground level.	38.473458 ° 38.473458 -121.538610 ° -121.538610	
6	1.09	1.20	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	38.472908 ° 38.472922 -121.532762 ° -121.530695	
7	1.09	1.18	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	38.473241 ° 38.472881 -121.521502 ° -121.531120	
8	1.21	1.24	Earthen Levee	Vegetation	LS	С	Remove the wild growth other than native grasses from the levee slopes.	38.472922 ° 38.472877 -121.530525 ° -121.530008	
9	1.43	1.43	Earthen Levee	Trim / Thin Trees	LS	С	Trim trees to at least five feet above ground level.	38.472858 ° 38.472858 -121.526562 ° -121.526562	
10	1.62	1.67	Earthen Levee	Encroachments	LS	РО	Landscaping	38.473113 ° 38.473280 -121.523105 ° -121.522207	
11	1.72	1.85	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above ground level.	38.473263 ° 38.473237 -121.521267 ° -121.518938	
12	1.79	1.85	Earthen Levee	Vegetation	LS	С	Remove the wild growth other than native grasses from the levee slopes.	38.473295 ° 38.473280 -121.520137 ° -121.519005	
13	1.96	2.80	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above ground level.	38.473057 ° 38.466880 -121.517032 ° -121.505648	
14	1.96	2.05	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native grasses from the levee slopes.	38.473188 ° 38.472948 -121.516880 ° -121.515323	
15	1.97	2.00	Earthen Levee	Vegetation	LS	С	Remove the wild growth other than native grasses from the levee slopes.	38.473070 ° 38.473032 -121.516742 ° -121.516317	
16	2.10	2.58	Earthen Levee	Vegetation	WS	С	Remove the wild growth other than native grasses from the levee slopes.	38.472863 ° 38.469903 -121.514355 ° -121.506642	
17	2.41	2.45	Earthen Levee	Encroachments	LS	PO	Landscaping	38.471328 ° 38.471045 -121.509132 ° -121.508505	
18	2.55	2.55	Earthen Levee	Trim / Thin Trees	WS	М	Trim trees to at least five feet above ground level.	38.470275 ° 38.470275 -121.506882 ° -121.506882	
19	2.63	2.63	Earthen Levee	Encroachments	LS	РО	Buildings	38.469163 ° 38.469163 -121.506320 ° -121.506320	

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	11/05/2010 11/05/2010	Herman Phillips

LMR	Levee	Mile	Catagory	Item	Location *	Rating	Action/Comment	GPS Latitu	de/Longitude	Issue No.
No.	Start	End	Category	пеш	tion	ng	Action/Comment	Start	End	Photo
20	2.72	3.01	Earthen Levee	Vegetation	WS	С	Remove the wild growth other than native grasses from the levee slopes.	38.467930 ° -121.505765 °	38.463880 ° -121.505183 °	91
21	2.74	2.75	Earthen Levee	Vegetation	LS	С	Elderberries are blocking visibility and flood fight capability.	38.467675 ° -121.505837 °	38.467462 ° -121.505805 °	20
22	2.99	3.03	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Photo has been added to report to show the enchroachment. The land owner has goats inside this fence area. There is no need for this fence to be on the levee section.	38.464055 ° -121.505350 °	38.463517 ° -121.505270 °	22 Y
23	3.00	3.04	Earthen Levee	Encroachments	LS	РО	Fences	38.464043 ° -121.505343 °	38.463505 ° -121.505290 °	961
24	3.03	3.03	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.463595 ° -121.505222 °	38.463593 ° -121.505220 °	17
25	3.05	3.13	Earthen Levee	Vegetation	WS	С	Remove the wild growth other than native grasses from the levee slopes.	38.463250 ° -121.505098 °	38.462127 ° -121.504943 °	90
26	3.17	3.28	Earthen Levee	Vegetation	WS	С	Remove the wild growth other than native grasses from the levee slopes.	38.461610 ° -121.504892 °	38.460097 ° -121.504552 °	89
27	3.29	3.30	Earthen Levee	Trim / Thin Trees	LS	С	Trim trees to at least five feet above ground level.	38.459847 ° -121.504533 °	38.459723 ° -121.504545 °	74
28	3.54	3.56	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There are counted 40-50 holes within 37-foot section of levee. Some bait need to be placed here to eradicate the rodents.	38.560402 ° -121.522426 °	38.538456 ° -121.517120 °	1 Y
29	3.54	3.56	Earthen Levee	Encroachments	LS	М	Pipe Inspector Comments: Landowner has started placing pvc pipe in the slope for a sprinkler system there has no permit for the install.	38.560402 ° -121.522426 °	38.538456 ° -121.517120 °	24 Y
30	3.55	3.92	Earthen Levee	Trim / Thin Trees	WS	М	Thin trees to allow visibility of the ground and room to flood fight.	38.456253 ° -121.503482 °	38.451070 ° -121.502535 °	88
31	3.57	5.52	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.455948 ° -121.503458 °	38.435492 ° -121.518118 °	962
32	3.59	3.59	Earthen Levee	Encroachments	LS	М	Garbage	0	0	7
33	3.67	3.70	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above ground level.	38.454548 ° -121.503153 °	38.454177 ° -121.503032 °	29
34	3.71	3.75	Earthen Levee	Encroachments	LS	СО	Landscaping	38.453975 ° -121.503002 °	38.453432 ° -121.502925 °	30

* Location

LS : Land Side

WS : Water Side

CR : Crown

** Rating

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U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0307 Lisbon

				Wat	terwa	ау		Bank	Unit Miles	Inspection Start/End	Inspec	ctor
				Unit No. 01 Sa	acra	me	nto River	Right	6.65	11/05/2010 11/05/2010		
LMR	Levee	Mile	Categor	v Item	Location *	Rating	Action/Comment			GPS Latitud	e/Longitude	Issue No.
N 0.	Start	End								Start	End	Photo
35	4.02	4.02	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: This property has the shoulder that has NO PERMIT. Dis this.			38.449575° -121.502668° -	38.449575 ° 121.502668 °	963
36	4.04	4.10	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and corburrows.	mpact or		38.449352 ° -121.502632 ° -	38.448468 ° 121.502643 °	75
37	4.05	4.05	Earthen Levee	Trim / Thin Trees	LS	М	Thin trees to allow visibility of the ground flood fight.	d and roo	m to	0	0	8
38	4.05	4.10	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native the levee slopes.	e grasses		38.473240 ° -121.521502 ° -	38.448989 ° -121.502638 °	26
39	4.09	4.13	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native the levee slopes.	e grasses	s from	0	0	12
40	4.09	4.31	Earthen Levee	Vegetation	WS	М	Remove the wild growth other than native the levee slopes.	e grasses	s from	0	0	10
41	4.27	4.31	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: This is a wire fence the slope and the shoulder of the lands			38.446057 ° -121.502892 ° -	38.445473 ° -121.502942 °	35
42	4.29	4.35	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above gro	und level		38.445798 ° -121.502963 ° -	38.444932 ° -121.503083 °	78
43	4.43	4.44	Earthen Levee	Encroachments	LS	РО	Crops			38.443798 ° -121.503320 ° -	38.443637 ° -121.503323 °	79 Y
44	4.49	4.53	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above gro	und level		38.442963 ° -121.503580 ° -	38.442422 ° -121.503842 °	80
45	4.50	4.53	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native the levee slopes.	e grasses		38.442777 ° -121.503578 ° -	38.442468 ° -121.503720 °	37
46	4.71	4.75	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than nativ the levee slopes.	e grasses	s from	0	0	13 Y
47	4.72	4.72	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above group	und level		38.440118 ° -121.505342 ° -	38.440118 ° -121.505342 °	38
48	4.77	5.37	Earthen Levee	Vegetation	LS	С	Remove the wild growth other than native the levee slopes.	e grasses		38.439493 ° -121.505948 ° -	38.435753 ° -121.515475 °	969
49	4.78	4.83	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above group	und level		38.439397 ° -121.505997 ° -	38.438905 ° -121.506698 °	
50	4.81	4.82	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than nativ the levee slopes.	e grasses	s from	0	0	
51	4.91	4.92	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above gro	und level		38.438227 ° -121.507792 ° -	38.438138 ° -121.507960 °	82
52	5.02	5.03	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native the levee slopes.	e grasses		38.437377 ° -121.509462 ° -	38.437330 ° -121.509618 °	41
L W	ocation S : Land S S : Water R : Crown	Side		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		CO : 0	Partially Obstructing C : Corrected Completely Obstructing W : Watch/Monitor Not Inspected/Rated					

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	11/05/2010 11/05/2010	Herman Phillips

LMR	Levee	Mile	Catanani	lto	Location *	Rating	A stign / Courses and	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Category	Item	ition	ing	Action/Comment	Start	End	Photo
53	5.02	5.06	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	0	0	21
54	5.10	5.10	Earthen Levee	Encroachments	WS	М	Tree or limb	38.436875 ° -121.510705 °	38.436875 ° -121.510705 °	86
55	5.10	5.15	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above ground level.	38.436920 ° -121.510795 °	38.436637 ° -121.511592 °	42
56	5.16	5.20	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	38.436532 ° -121.511837 °	38.436332 ° -121.512553 °	85 Y
57	5.32	5.37	Earthen Levee	Encroachments	LS	РО	Landscaping	38.435875 ° -121.514493 °	38.435767 ° -121.515408 °	45
58	5.44	5.79	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above ground level.	38.435623 ° -121.516773 °	38.435798 ° -121.523202 °	971
59	5.75	5.78	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	38.435878 ° -121.522347 °	38.435923 ° -121.522940 °	51
60	5.75	5.79	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	38.435888 ° -121.522462 °	38.435940 ° -121.523173 °	52
61	5.99	6.03	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	38.436202 ° -121.526813 °	38.436152 ° -121.527535 °	55
62	6.03	6.54	Earthen Levee	Encroachments	LS	РО	Landscaping	38.436153 ° -121.527540 °	38.431365 ° -121.533490 °	56

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	11/05/2010 11/05/2010	Herman Phillips

Levee Mile Report Line	2							
Start Levee Mile	0.01							
End Levee Mile	0.01							
Location	Water Side							
Category	Earthen Levee							
Item	Vegetation							
RD 307 Levee mile 0.00 water side looking downstream. Photo taken 11-05-2010								

phillips_f_20101130_358.jpg

Levee Mile Report Line	22		
Start Levee Mile	2.99		
End Levee Mile	3.03		
Location	n Land Side		
Category Earthen Levee			
Item Encroachments			
unauthorized fence located landward in RD 307.			

phillips_f_20100923_159.jpg

Levee Mile Report Line	28
Start Levee Mile	3.54
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Animal Control

This photo shows Rodent holes in slope and within ramp. There actually is a roden in view by the iron fence just about 3-foot from the bottom of the fence line.

phillips_f_20100923_157.jpg







Location LS : Land Side WS : Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	11/05/2010 11/05/2010	Herman Phillips

Levee Mile Report Line	28		
Start Levee Mile	3.54		
End Levee Mile	3.56		
Location	Land Side		
Category Earthen Levee			
Item Animal Control			
Photo shows live rodent near fence out side of his			

Photo shows live rodent near fence out side of his burrow.

phillips_f_20100923_158.jpg

Levee Mile Report Line	29	
Start Levee Mile	3.54	
End Levee Mile	3.56	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
Dhata ahayya nya nina nlagad in layaa alana 1		

Photo shows pvc pipe placed in levee slope. 4 sprinklers are placed in slope.

phillips_f_20100923_160.jpg

Levee Mile Report Line	43
Start Levee Mile	4.43
End Levee Mile	4.44
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Unauthorized grape vines with driplines placed within levee shoulder and slope, levee miles 4.43 to 4.44 38.443798 121.50332 and 38.44365086 - 121.50322 land side. There is no Permit for this Enchroachment.

phillips_f_20100923_161.jpg







* Location LS : Land Side

WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	11/05/2010 11/05/2010	Herman Phillips

Levee Mile Report Line	46	
Start Levee Mile	4.71	
End Levee Mile	4.75	
Location	Land Side	
Category	Earthen Levee	
Item Vegetation		
DD 207 landeide view of uncetiefectory wild		

RD 307 landside view of unsatisfactory wild growth on levee section at levee miles 4.71 to 4.75. Photo taken 11-05-2010.

phillips_f_20101130_359.jpg

Levee Mile Report Line	49
Start Levee Mile	4.78
End Levee Mile	4.83
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking down stream form levee mile 4.78 the fig trees has covered the levee section on the land side. The wild growth continues down stream to 4.83. Photo taken 11-05-2010

phillips_f_20100923_162.jpg

Levee Mile Report Line	49	
Start Levee Mile	4.78	
End Levee Mile	4.83	
Location	Land Side	
Category	Earthen Levee	
Item	Trim / Thin Trees	
Showing the wild growth continues downstream		

landside shoulder and slope, visibility completely blocked. Photo taken 11-05-2010

phillips_f_20100923_163.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
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U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 0307 Lisbon

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	6.65	11/05/2010 11/05/2010	Herman Phillips

Levee Mile Report Line	50		
Start Levee Mile	4.81		
End Levee Mile	4.82		
Location	Land Side		
Category	Earthen Levee		
Item	Vegetation		
RD 307 levee mile 4.81 unsatifactory growth on landside levee shoulder and slope. Photo taken 11-05-2010			

phillips_f_20101130_360.jpg

Levee Mile Report Line	56
Start Levee Mile	5.16
End Levee Mile	5.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Wild growth on landside at leve mile 5 16 to 5 20	

Wild growth on landside at leve mile 5.16 to 5.20 looking down stream.

phillips_f_20100923_164.jpg

Lavas Mila Danast Lina	50
Levee Mile Report Line	
Start Levee Mile	****
End Levee Mile	5.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking downstream levee mile 5.16-5.20.	
phillips_f_20100923_165.jpg	







* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated